

## 2.3 Key

For problems 1-4 either method could be used. Show work for the method you use! This key shows the better method that can be used for each problem.

1. Factoring, b & c
2. Factoring, b & c
3. Remainder TH. , a & c
4. Factoring, a,b
5. 2
6. 2
7. 3
8. 7
9. 4
10. 1
11. 2, even,  $\infty$ ,  $\infty$
12. 5, odd,  $\infty$ ,  $-\infty$
13. 3, odd,  $-\infty$ ,  $\infty$
14. 4, even,  $-\infty$ ,  $-\infty$
15.  $x(x+6)(x+7)$
16.  $(2a+3b)(3z^2-c)$
17.  $(8x+1)(8x-1)$
18.  $(m-12)^2$
19.  $3x^2+x-10$
20.  $-3x^2-13x-7$